

Collins Torsional Mechanical Filters

This is a sample listing of filters we produce. If you don't find a filter listed here that meets your requirements, please contact us and we will be pleased to assist you.

Symmetrical Torsional Filter Product Specifications

Center Frequency (kHz)	Filter Bandwidths (KHz)						Loss Max. (dB)	Number of Resonators	Case Style	Part Number	Comments
	Min. BW	@	dB	Max. BW	@	dB					
112.00	0.60	@	3	12.00	@	40	6	2	MP	526-8761-010	Sonar filter (controlled phase)
112.00	1.20	@	3	60.00	@	40	3.5	2	MP	526-8760-010	Sonar filter (controlled phase)
112.00	2.00	@	3	120.00	@	40	3.5	2	MP	526-8755-010	Sonar filter (controlled phase)
308.05	1.60	@	3	3.40	@	60	5	8	GT	526-8764-010	
308.90	1.60	@	3	3.40	@	60	5	8	GT	526-8763-010	
309.75	1.60	@	3	3.40	@	60	5	8	GT	526-8765-010	
450.00	0.50	@	3	3.50	@	60	10	7	LP	526-8633-010	
450.00	4.80	@	2	7.60	@	57	4	11	PL	526-8756-010	
450.00	6.40	@	3	12.50	@	70	4	10	PL	526-8753-010	
450.00	6.40	@	3	13.60	@	60	4	8	PS	526-8720-010	
451.66	0.44	@	3	1.50	@	60	8	8	PS	526-8687-010	
453.30	1.40	@	3	4.80	@	60	5	8	PS	526-8729-010	
455.00	0.07	@	1	1.00	@	60	7	9	LP	526-8631-010	
455.00	0.20	@	3	1.00	@	60	10	11	LP	526-8587-010	
455.00	0.20	@	3	1.00	@	60	10	11	LP	526-8596-010	
455.00	0.24	@	3	1.00	@	60	10	8	PS	526-8733-010	Low-Cost Product Line
455.00	0.34	@	6	1.00	@	60	10	8	PS	526-8577-010	
455.00	0.40	@	3	1.00	@	60	9	11	LP	526-8598-010	
455.00	0.45	@	3	2.00	@	60	5	7	PS	526-8686-010	DGPS
455.00	0.45	@	3	4.00	@	60	7	5	LP	526-8610-010	
455.00	0.47	@	3	1.65	@	60	6	7	PS	526-8666-010	
455.00	0.49	@	3	2.00	@	60	5	7	PS	526-8693-010	Low-Cost Product Line
455.00	0.50	@	3	4.00	@	60	7	5	LP	526-8610-030	
455.00	0.50	@	3	2.50	@	60	6	6	FP	526-8514-020	
455.00	0.60	@	3	1.50	@	60	8	8	LP	526-8676-010	
455.00	0.65	@	3	4.00	@	60	7	5	LP	526-8675-010	
455.00	0.70	@	3	2.00	@	55	8	8	PS	526-8732-010	
455.00	0.95	@	3	5.00	@	60	4	6	LP	526-8611-020	
455.00	0.95	@	3	5.00	@	60	4	7	FP	526-8527-010	
455.00	1.00	@	3	2.40	@	65	5	8	PS	526-8706-010	Controlled phase
455.00	1.00	@	3	2.40	@	65	5	8	PS	526-8706-020	Same as -010 but no phase
455.00	1.25	@	3	2.70	@	60	5	8	PS	526-8752-010	
455.00	1.8	@	6	3.8	@	60	5	10	PL	526-8754-010	
455.00	1.90	@	3	4.40	@	60	5	8	PS	526-8742-010	
455.00	1.90	@	6	5.00	@	60	4	7	LP	526-8612-010	
455.00	2.00	@	3	4.40	@	60	5	8	PS	526-8731-010	
455.00	2.26	@	6	4.60	@	66	5	10	PL	526-8739-010	
455.00	2.40	@	3	6.00	@	60	3	8	LP	526-8645-010	DF receiver
455.00	2.40	@	3	4.20	@	66	3	12	LP	526-8751-010	
455.00	2.40	@	3	5.20	@	60	5	8	PS	526-8694-010	Low-Cost Product Line
455.00	2.50	@	3	5.50	@	60	5	8	PS	526-8700-020	
455.00	2.56	@	6	4.90	@	66	6	10	PL	526-8728-010	
455.00	2.70	@	3	4.40	@	60	5	12	LP	526-8518-010	
455.00	2.70	@	3	6.00	@	60	5	8	PS	526-8759-010	
455.00	2.70	@	6	6.80	@	60	5	7	FP	526-8592-010	
455.00	2.80	@	3	7.50	@	60	4	7	FP	526-8563-020	
455.00	2.85	@	3	7.60	@	60	4	7	PS	526-8667-010	
455.00	2.90	@	3	12.50	@	60	3	12	LP	526-8528-010	

Symmetrical Filters Continued

Center Frequency (kHz)	Filter Bandwidths (KHz)						Loss Max. (dB)	Number of Resonators	Case Style	Part Number	Comments
	Min. BW	@	dB	Max. BW	@	dB					
455.00	2.95	@	3	6.40	@	60	5	8	PS	526-8709-010	
455.00	3.00	@	3	6.50	@	65	4	8	PS	526-8711-010	Controlled phase
455.00	3.10	@	6	6.20	@	60	3	8	SM	526-8740-010	Surface Mount Package
455.00	3.24	@	3	4.80	@	60	4	12	LP	526-8601-010	Controlled Delay
455.00	3.80	@	3	10.00	@	60	5	7	PS	526-8710-010	Narrow AM For Europe
455.00	4.50	@	3	10.00	@	45	2.5	8	DC	526-8750-010	Controlled Delay
455.00	4.70	@	3	11.75	@	60	3	7	LP	526-8646-020	
455.00	5.50	@	3	11.00	@	60	5	8	PS	526-8695-010	Low-Cost Product Line
455.00	5.50	@	3	14.50	@	60	5	6	PS	526-8715-010	Controlled Delay
455.00	5.50	@	3	9.80	@	60	4	10	LP	526-8590-010	
455.00	6.00	@	3	10.70	@	60	4	10	LP	526-8590-020	
455.00	5.60	@	3	30.00	@	60	3	6	PS	526-8684-010	Controlled Delay
455.00	5.80	@	2	9.70	@	20	4	4	FP	526-8628-010	FSK - Almost Butterworth
455.00	6.00	@	3	15.00	@	60	4	8	LP	526-8677-010	
455.00	6.00	@	3	12.00	@	65	4	8	PS	526-8712-010	Controlled Phase
455.00	6.70	@	3	14.00	@	60	5	8	PS	526-8734-010	Low-Cost Product Line
455.00	7.60	@	6	30.00	@	60	5	7	LP	526-8614-010	
455.00	8.00	@	3	19.00	@	60	2	8	FP	526-8561-010	
455.00	9.50	@	3	28.50	@	60	4	8	PS	526-8669-010	
455.00	10.00	@	3	20.00	@	60	4	8	PS	526-8735-010	Low-Cost Product Line
455.00	11.50	@	3	32.00	@	60	4	6	LP	526-8591-010	
455.00	12.00	@	3	100.00	@	60	4	6	LP	526-8678-010	
455.00	14.00	@	3	46.00	@	50	5	6	PS	526-8685-010	Controlled Delay
455.00	16.00	@	3	36.00	@	50	4	8	LP	526-8639-010	
455.00	19.00	@	3	55.00	@	60	4	7	PS	526-8670-010	
455.00	19.00	@	3	42.00	@	50	7	8	LP	526-8638-010	
455.00	20.00	@	3	50.00	@	60	4	9	LP	526-8680-010	Phase Matched (sets of 8)
455.00	22.00	@	1	32.00	@	50	4	11	LP	526-8701-010	
456.00	16.00	@	1	80.00	@	60	6	6	LP	526-8556-010	
456.70	1.40	@	3	5.20	@	60	5	8	PS	526-8730-010	
490.00	0.30	@	6	2.40	@	60	8	6	PS	526-8749-010	Navtex
500.00	0.30	@	6	2.40	@	60	8	6	PS	526-8768-010	Navtex
500.00	5.50	@	4	12.00	@	63	5	10	LP	526-8558-010	
500.00	6.00	@	3	14.00	@	60	3	7	FP	526-8570-010	
518.00	0.30	@	3	6.00	@	70	8	6	PS	526-8708-010	Navtex
525.00	17.00	@	6	45.00	@	50	4	6	LP	526-8661-010	VHF Radio
540.00	2.00	@	3	12.00	@	50	6	4	FP	526-8567-010	
710.081	4.00	@	3	20.00	@	60	8	6	PS	526-8767-010	

Lower and Upper Sideband Specifications

Carrier Frequency (kHz)	Filter Bandwidths (KHz)				Loss Max (dB)	Number of Resonators	Case Style	Part Number	Comments		
	Min. BW	@	dB	Max. BW							
Upper Sideband Filters											
448.71	2.85	@	3	4.40	@	60	4	12	LP	526-8603-010	Mil Std 188-141 (Controlled Delay)
450.00	3.00	@	3	6.00	@	60	4	8	PS	526-8564-020	
455.00	1.90	@	3	6.25	@	60	6	7	FP	526-8510-010	
455.00	2.40	@	3	5.40	@	60	5	8	PS	526-8642-010	
455.00	2.30	@	3	6.00	@	60	5	8	LP	526-8642-020	
455.00	2.45	@	3	4.30	@	60	4	12	LP	526-8721-010	
455.00	2.52	@	1	4.30	@	60	4	12-B	LP	526-8588-010	Controlled Delay
455.00	2.60	@	1	4.80	@	60	4	12-B	LP	526-8522-010	TADIL-A Link-11
455.00	2.70	@	6	6.00	@	60	5	7	FP	526-8537-010	
455.00	2.80	@	3	4.30	@	40	4	12-B	LP	526-8588-020	
455.00	2.85	@	3	4.30	@	60	4	12	LP	526-8605-010	Mil Std 188-141 (Controlled Delay)
456.50	2.20	@	6	5.00	@	60	3	8	PS	526-8679-010	
500.00	2.85	@	3	4.80	@	60	4	11-B	LP	526-8568-010	Controlled Delay
500.00	3.00	@	3	5.30	@	45	4	8	SM	526-8664-010	Surface Mount
Lower Sideband Filters											
200.00	2.70	@	3	5.00	@	60	4	10	PL	526-8757-010	
455.00	2.00	@	3	6.25	@	60	6	7	FP	526-8511-010	
455.00	2.40	@	3	5.40	@	60	5	8	LP	526-8643-020	
455.00	2.40	@	3	5.10	@	60	4	12	LP	526-8691-010	Controlled Delay
455.00	2.50	@	1	4.30	@	60	4	12-B	LP	526-8589-010	
455.00	2.50	@	3	5.20	@	60	5	8	PS	526-8643-010	
455.00	2.60	@	1	4.80	@	60	4	12-B	LP	526-8521-010	TADIL-A Link-11
455.00	2.70	@	6	5.94	@	60	5	7	FP	526-8536-010	
455.00	2.80	@	3	4.30	@	40	4	12-B	LP	526-8589-020	
455.00	2.85	@	3	4.30	@	60	4	12	LP	526-8604-010	Mil Std 188-141 (Controlled Delay)
455.00	4.21	@	3	6.45	@	60	5	12	LP	526-8607-010	
461.29	2.85	@	3	4.30	@	60	4	12	LP	526-8606-010	Mil Std 188-141 (Controlled Delay)
500.00	2.19	@	6	4.60	@	60	4	9	LP	526-8557-010	
500.00	2.2	@	6	4.00	@	60	4	10	LP	526-8773-010	
500.00	2.36	@	3	4.27	@	60	4	12	LP	526-8559-010	
500.00	2.85	@	3	4.80	@	60	4	11-B	LP	526-8569-010	