

Isolation Coil Characteristics

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	ISO-130-FM	ISO-170-FM	ISO-100-78EIA	ISO-74-158EIA	
Frequency Range (minimum)	DC-2700 MHz	DC-2700 MHz	DC-2700 MHz	DC-2700 MHz	
Impedance	50 Ω	50 Ω	50 Ω	50 Ω	
Power Rating*			Screen Enclosure	PVC Enclosure	
88 MHz	385 W	1,100 W	5,700 W	3,100 W	12,000 W
100 MHz	365 W	1,050 W	5,500 W	3,000 W	11,500 W
108 MHz	350 W	1,000 W	5,300 W	2,900 W	11,000 W
400 MHz	190 W	550 W	2,900 W	1,200 W	5,900 W
500 MHz	175 W	500 W	2,500 W	1,100 W	5,200 W
600 MHz	160 W	460 W	2,200 W	1,000 W	4,700 W
1000 MHz	135 W	380 W	1,600 W	750 W	3,500 W
2500 MHz	100 W	275 W	950 W	500 W	2,000 W
Insertion Loss					
88 MHz	1.16 dB	0.8 dB	0.35 dB	0.21 dB	
100 MHz	1.22 dB	0.86 dB	0.37 dB	0.23 dB	
108 MHz	1.26 dB	0.9 dB	0.39 dB	0.24 dB	
400 MHz	2.42 dB	1.77 dB	0.78 dB	0.5 dB	
500 MHz	2.75 dB	1.99 dB	0.89 dB	0.55 dB	
600 MHz	3.02 dB	2.19 dB	0.98 dB	0.61 dB	
1000 MHz	4.0 dB	2.87 dB	1.31 dB	0.82 dB	
2500 MHz	6.5 dB	5.2 dB	2.3 dB	1.44 dB	
Coax Connectors	N Female	N or 7/16 DIN Female	7/8" EIA Male	1-5/8" EIA Male	
DC Power Passing	Yes	Yes	Yes	Yes	
AM Isolation Performance					
Frequency Range (typical)	530-1710 kHz	530-1710 kHz	530-1710 kHz	530-1710 kHz	
Isolation Frequency (Customer Specified)	Single	Single	Single	Single	
AM RF Impedance	>3,000 Ω	>3,000 Ω	>3,000 Ω	>3,000 Ω	
AM Base Volts (Max, Standard)	10 kV	20 kV	20 kV	20 kV	

* Average Power rating at 40 degrees C and 1.5/1 max VSWR | Reduce power ratings by 20% for 50 degrees C ambient temperature