

ELECTRICAL SPECIFICATIONS – RETURN LOSS						
	FISO-10	FISO-20	FISO-22	FISO-30	FISO-32	FISO-33
IN / OUT (dB, Max.)						
Frequency (MHz)						
5 - 15	16.0	18.0	18.0	18.0	18.0	18.0
15 - 65	22.0 (1)	18.0	18.0	18.0	18.0	18.0
65 - 85	22.0 (1)	-	18.0 (1)	-	18.0 (1)	18.0 (1)
85 - 87.5	22.0 (1)	18.0	18.0 (1)	-	18.0 (1)	18.0 (1)
87.5 - 862	22.0 (1)	18.0	18.0 (1)	18.0 (1)	18.0 (1)	18.0 (1)
862 - 1006	22.0 (1)	18.0	18.0 (1)	18.0 (1)	18.0 (1)	18.0 (1)
1006 - 1218	22.0 (1)	-	18.0 (1)	-	18.0 (1)	18.0 (1)
DATA (dB, Min.)						
5 - 65	-	15.0	-	18.0	18.0	-
85 - 87.5	-	15.0	-	-	18.0 (1)	-
87.5 - 862	-	15.0	-	18.0 (1)	18.0 (1)	-
862 - 1006	-	15.0	-	18.0 (1)	18.0 (1)	-
1006 - 1218	-	-	-	-	18.0 (1)	-
RTV (dB, Min.)						
85 - 87.5	-	14.0	-	-	18.0 (1)	-
87.5 - 862	-	14.0	-	18.0 (1)	18.0 (1)	-
862 - 1006	-	14.0	-	18.0 (1)	18.0 (1)	-
1006 - 1218	-	-	-	-	18.0 (1)	-

ELECTRICAL SPECIFICATIONS – ISOLATION						
OUT TO OUT or RTV TO DATA (dB, Min.)						
5 - 10	-	35.0	22.0	30.0	38.0	22.0
10 - 65	-	35.0	33.0	30.0	38.0	30.0
65 - 85	-	-	24.0	-	-	24.0
85 - 87.5	-	14.0	24.0	-	24.0	24.0
87.5 - 150	-	14.0	24.0	20.0	24.0	24.0
150 - 862	-	19.0	24.0	20.0	24.0	24.0
862 - 1006	-	19.0	22.0	20.0	24.0	22.0
1006 - 1218	-	-	18.0	-	24.0	20.0

GENERAL SPECIFICATIONS			
Nominal impedance	75 Ohm	Frequency range	5-1006 (2) or 5-1218 MHz (3)
Connectors		Electromagnetic comp. (5) (dB, Min.)	
Input/Output	F-female	5-300	85
Plating input connector/F-spring	NiSn	300-470	80
Plating output connector/F-spring	Nickel	470-950	75
		950-1218	70
Dimensions (h x w x d)	20 x 60 x 38 mm	Weight	± 0.1 kg
Specified temperature	5 ... 40°C (4)	Intermodulation (f1+f2) (dB,Min.)	-122 dBc (6) -105 dBc (7)(8)

Safety isolation 2120 VDC (9) Inner/outer conductor input to Inner/outer conductor output	Leakage current ≤ 0.7 mA, ≥ 1 minute	Safety isolation 230 VAC RMS, 50/60 Hz (9) Inner/outer conductor input to Inner/outer conductor output	Leakage current ≤ 2.0 mA RMS, 5 to 40 °C range for FISO-10 Leakage current ≤ 8.0 mA RMS, 5 to 40 °C range for all others
Surge immunity	1 kV, 1.2/50µS (10)	Material/plating Housing Input connector F-Spring	ZinC/Nickel Brass/NiSn (11) PB/NiSn
Product approval	CE	EMC compatibility	EN 50083-2 2012

