

FEATURES

- Broadband performances
- Low insertion loss 2.5 dB
- Low amplitude balance ± 1 dB



ELECTRICAL SPECIFICATIONS

	Measuring conditions	Specifications	Units
Frequency range	-	0.9 - 18	GHz
Nominal coupling	0.9 - 18 GHz	3 dB	dB
Insertion loss *	0.9 - 18 GHz	≤ 2.5	dB
Amplitude Balance	0.9 - 18 GHz	$\leq \pm 1$ ± 0.8 Typ.	dB
Phase Balance	0.9 - 18 GHz	$\leq \pm 10$ ± 8 Typ.	dB
Impedance	0.9 - 18 GHz	50	Ohms
VSWR	0.9 - 18 GHz	≤ 1.6	-
Isolation	0.9 - 18 GHz	≥ 15	dB
Mean Power	0.9 - 18 GHz	30	Watt CW
Peak Power	0.9 - 18 GHz	1	KWatt

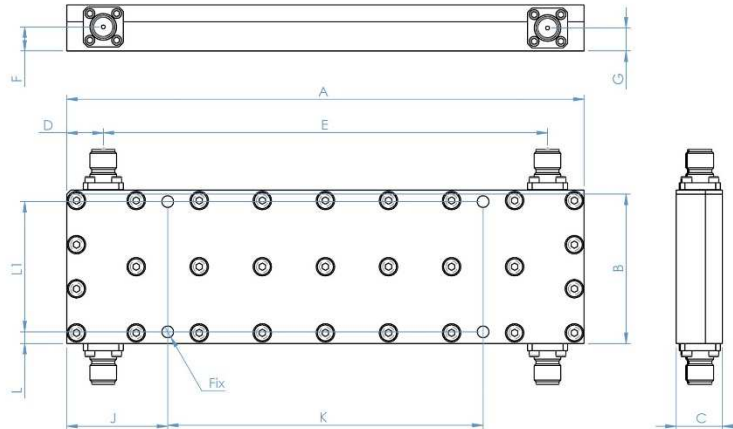
MECHANICAL FEATURES

	Measuring conditions	Specifications	Units
Length x width x height	Length x Width x Height (Tol. = ± 0.5)	123 x 35.5 x 11 (excluding connectors)	mm
Weight	-	≤ 145	grams
Finish	-	Black painting	-
Connectors	-	SMA female Recommending mating torque 0.9 N m	-

ENVIRONMENTAL CONDITIONS

		Coupled line	
Operating temperature	Base plate temperature	-45 to + 85	°C
Storage temperature	-	-55 to + 105	°C
Ingress Protection	Norm NF EN 60529	IP50	-

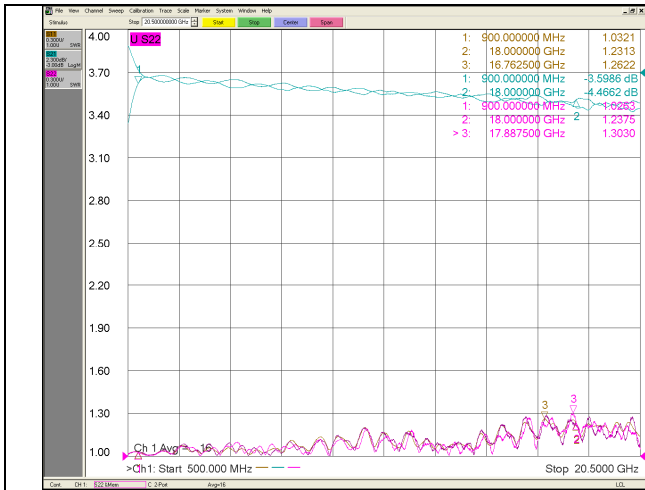
MECHANICAL DRAWING (sizes in mm)



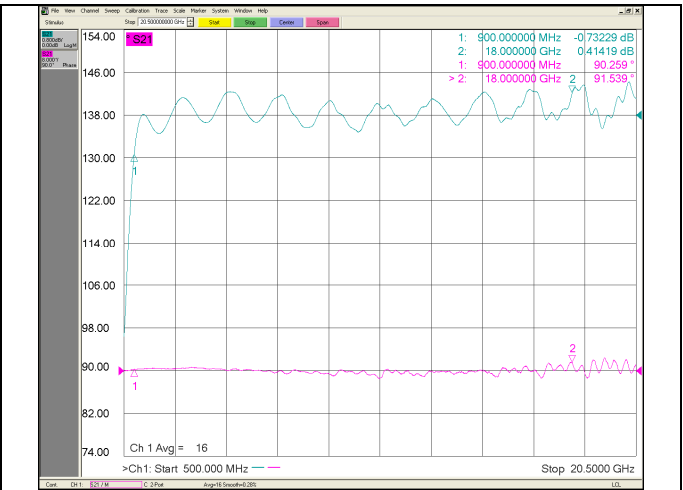
A	B	C	D	E	F	G	H	J	K	L	L1	FIX
123	35.5	11	8.675	105.65	5.758	5.495	2.25	24	75	2.25	31	Ø2.8

Dimensions in mm tol. +/-0.5mm
Drawing not to scale

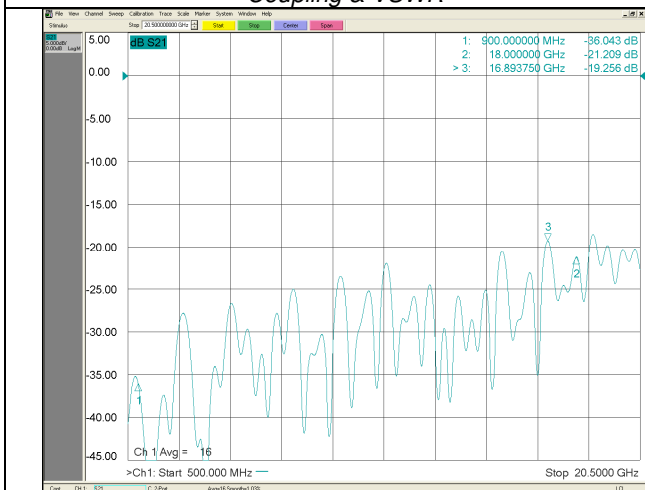
TYPICAL CURVES



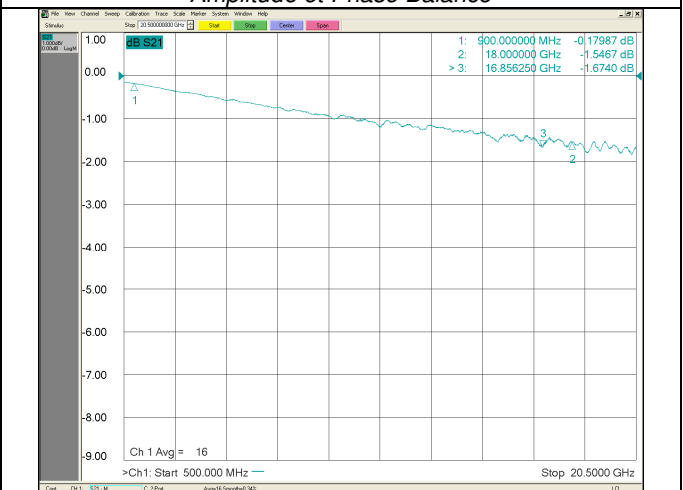
Coupling & VSWR



Amplitude et Phase Balance



Isolation



Insertion Loss