

DATASHEET, 4242, Coaxial Couplers

- Average power:50W coaxial couplers series
- Peak Power:3 kW
- Impedance:50Ω
- Flat Frequency Response
- Small,Lightweight
- Operational to 105°C without Degradation (125°C storage)
- SMA Connetor



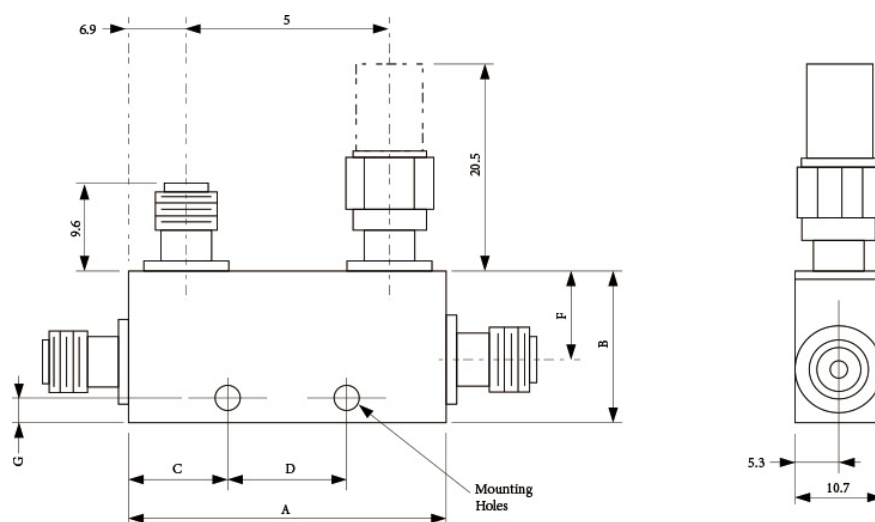
Specifications			
Model	4242-6	4242-10	4242-20
Frequency (GHz)	0.5-2	0.5-2	0.5-2
Coupling(dB)	6	10	20
Directivity(dB)	22	22	22
Insertionloss True(dB)	Excluding Power	0.35	0.35
	True*	2.00	0.90
Power Input (W)	50	50	50
Reflected Power	AVG (W)	2	5
	Peak(kW)	2	2
VSWR (max)	Primary line (max.)	1.20	1.20
	Secondary line(max.)	1.20	1.20
Frequency Sensitivity(dB max.)	±0.50	±0.50	±0.50
Maximum Deviation From Nominal (dB)	±1.0	±1.0	±1.0
Connetor Type	SMA (F)	SMA (F)	SMA (F)
Weight (kg)	0.071	0.071	0.080

* Frequency Sensitivity included in coupling value.

* Special-order devices. Minimum quantity may apply.

*Typical true insertion loss at 5, 9, 19 and 29 dB

Size:



Model	A (mm)	B (mm)	C (mm)	D (mm)	E(mm)	F(mm)	G(mm)	Mounting Holes (THRU) (mm)
4242-6, 10	89.91	26.41	21.59	46.81	76.20	19.56	9.14	3.7±1.27
4242-20	102.61	26.41	19.55	63.50	88.90	19.56	4.06	3.7±1.27