

Electrical specifications	No.	Item	Specifications
Electrical specifications	1.1	Frequency Band	37.5GHz to 42.5GHz
	1.2	Input VSWR	1.3:1 max. with Isolator
	1.3	Output VSWR	2.0:1 max. without Isolator
	1.4	Gain	50dB min.
	1.5	Gain Flatness over whole band	4dB p-p max.
	1.6	Gain Variation over temperature	±2.0dB max.
	1.7	Gain Stability over 24hours	±0.1dB max.
	1.8	Noise Figure	2.5dB typ. with Isolator @+25°C 2.8dB max. with Isolator @+60°C
	1.9	Output P1dB	+15dBm min.
	1.1	Output IP3	+23dBm min.
	1.11	Spurious (Pout=0dBm)	-60dBc max.
	1.12	Power Supply Voltage	+12VDC to +24VDC
	1.13	Power Consumption	200mA max.@+12VDC (2.4W max. @+24VDC)
	1.14	Alarm Contact	Open @Fault / Closed @OK (30mA max.)
Mechanical specifications	2.1	RF Input Interface	Waveguide : WR-22 Flange : UG-599/U-M (square)
	2.2	RF Output Interface	Waveguide : WR-22 Flange : UG-599/U-M (square)
	2.3	DC & Monitoring	MS3112E8-4P (PT02E-8-4P) Pin Assignments A : DC Input B : DC Return C : Power Supply Alarm Output, open collector (30mA max.) D : Power Supply Alarm Return
	2.4	Size	153.1 (L) mm x 55 (W) mm x 45 (H) mm See Figure 1
	2.5	Weight	approx. 800g
Environmental specifications	3.1	Operating Temperature	-40°C to +60°C
	3.2	Non-operating Temperature	-40°C to +85°C
	3.3	Operating Relative Humidity	0~100% R.H
	3.4	Non-operating Altitude	40,000 feet above sea level
	3.5	RoHS	RoHS Compliant

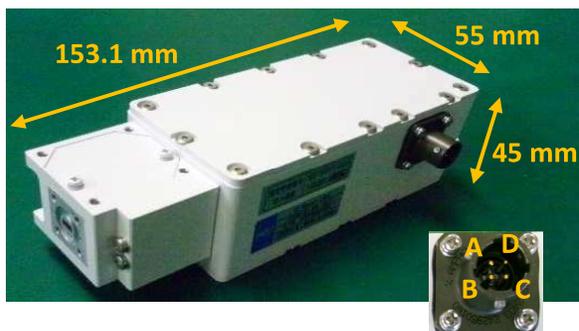


Figure 1

TYPICAL TEST DATA (Noise Figure)

