

**Variable Gain Control, X Band Connectorised Amplifier:
8 – 12 GHz**

**MAAMML0018
V4**

Specification at +25 °C

(Applies over the frequency range @ +25 °C, output and input load impedance of 50 ohms. Unless otherwise stated limits & conditions are indicated values.)

Parameter	Value	Units
Frequency	8-12	GHz
Operating Temperature T _{OP}	+0 ~ +60	°C
Gain Control voltage	0 - 5	V
Control Pin current	30	mA
Gain Maximum setting	>+14	dB
Gain Minimum setting	< -14	dB
Passband flatness	3	dB pk-pk
Output P1dB (Gain >=8dB)	+16	dBm
Noise figure (Maximum Gain Setting)	6	dB
Input VSWR	2:1	Ratio
Output VSWR	1.7:1	Ratio
Supply Voltage	+8	V
Current consumption	120	mA