

Specifications

Item	Note			Unit
Model		AM833GD*-*	AM837GD*-*	
Forward				
Technology type		Power double hybrid		
Maximum gain (four port)	1	33		dB
Maximum gain (two separate port)	1		37	dB
Frequency range		47(87) ~862		MHz
Flatness		±0.75		dB
Noise figure	2	7.5		dB
rated output level (@50MHz/550MHz/750/862MHz)	3,4	35/ 40.5/ 43.5/ 45	39/ 44.5/ 47.5/ 49	dBmV
CTB	5	74		dB
CSO	5	69		dB
CM		75		dB
Group time delay		≤10		ns
Internal slope (Adjustable step length)		10		dB
Reverse path				
Frequency range		5~65(30)		MHz
Standard gain	8	22,17		dB
Flatness		±0.75		dB
Noise ratio		7		dB
Group time delay		≤30		ns
Referential output level		37		dBmV
CTB	7	92		dB
CSO	7	82		dB
CM		84		dB
General performance				
Port RF return loss		16		dB
Surge protection (10/700 μ s)		5		kV
AC current passing capability		15		A
Hum (10A)		66		dB
Test point (±1dB)		-20		dB
Operating voltage (50Hz)	6	42~60		V
Power consumption		38 (switching power supply)		W
Operation temperature range		-25~55		°C

Notes:

1. Gain including duplex filter, but no loss from pre-equalizer or attenuator. When dual-channel output, separate module directly output; When quad-channel output, separate module directly output +two dispensation (-4dB) .
2. Noise ratio including duplex filter loss, but not including loss from pre-equalizer or attenuator.
3. Rated output level including duplex filter loss...

4. Operating level in digital channel application condition please see table 5, carrier wave level from 550 to 750MHz or 550 or 862 MHz is 10dB lower than analog carrier wave level.
5. Test condition: rated output level, 59 PAL-D analog channels and digital signal bandwidth from 200 to 312MHz.
6. AC 50Hz square-wave.
7. Test condition: rated output level, 3 PAL-D analog channels.
8. Two output ports