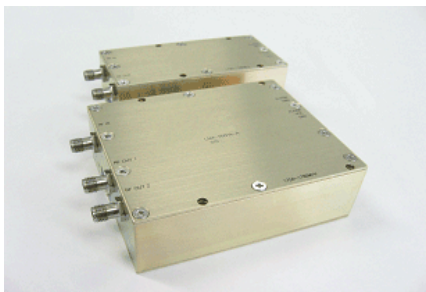


Pre Amplifier



▶ Description

The ALA-1765 series is specially designed amplifier for BTS Application. Gain of amplifier can be adjusted by switch control in 15.5dB range per 0.5dB step. Operating status is monitored by alarm function.

▶ Function

- Gain Control
- Cable Loss Compensation For BTS
- Low Power Consumption
- Alarm Function.
- Operating Range : -30 ~ +70 °C
- ROHS Compliance

▶ Specifications

Parameters		ALA-1765A	ALA-1765B	Remark
Frequency Range		1750 ~ 1780 [MHz]		BW : 30 [MHz]
Gain		15.5 ± 0.5 [dB]		@ Center Frequency
Gain Flatness (max..)		± 0.5 P-P [dB]		@ room temperature
Atten.	Range	15.5 [dB]		
	Step	0.5 [dB]		
	Accuracy	± (0.25 + 3 [%] of Atten. Setting Max..)[dB]		
Noise Figure (max..)		5.0 [dB]		
OIP3 (min..)		25.0 [dBm];		@ Maximum Gain
P1dB		-2dBm(@5.5dB gain), Min. => 8dBm(@15.5dB gain), Min.		
Impedance		50 [Ω]		
In / Out VSWR (max..)		1.5 : 1		
DC Supply Voltage		20 ~ 28[V]		27.0 [V] typ.
Current Rating (max..)		150 [mA]		
Number of Output		Dual	Single	
Size		70 X 28 X 84	40 X 28 X 84	
LED Indicator	LED ON	Green : Amp. Normal		Unit Mount Type
	LED ON	Red : Amp. Fail		
	LED OFF	Power OFF		
Alarm	Normal	GND (< 300 ohm)		Open Collector Typ.
	Abnormal	OPEN (> 300 ohm Min..)		
Operating Temp.				-30 ~ +70 [°C]
Storage Temp.				-35 ~ +85 [°C]

* The specification can be modified upon buyer's requests.

* All specifications are subject to change without notice.

* The latest specifications are available at www.actipass.com