



Dingshengwei Electronics Co., Ltd.

SK-ET30 RF Amplifier User Manual

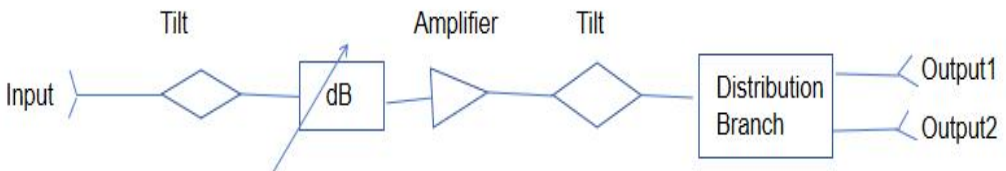


Dingshengwei Electronics Co., Ltd.

Product Features:

- Equipped with a high-efficiency switching power supply.
- Offers a selection of platform designs with varying bandwidths.
- Selectable output modes with branching and distribution options.
- Adjustments for equalization and attenuation are implemented .
- via continuous adjustable attenuators, providing user-friendly operation.
- Continuously adjustable equalization range of 0~40dB and gain range of 0~20dB.
- Features an AC60V independent power supply port with a maximum current rating of 8A.
- Power supply voltage options include AC60V (35~90V) or AC220V (100~265V).

Functional block diagram





Dingshengwei Electronics Co., Ltd.

Connector Explanation:



- Output 2 (BR): Branch or distribution output
- Output 1 (OUT): Main output
- AC60V: AC60V independent power supply
- Input (IN): Input

Technical Specifications:



Dingshengwei Electronics Co., Ltd.

SK-ET30 RF Amplifier Technical Parameters

Number	Item	Technical Parameters	Remarks
1	Frequency Bandwidth	45 –FH (MHz)	FH(750,862,1G) optional
2	Flatness	$\pm 0.75\text{dB}$	45-FH (MHz)
3	Reflection Loss	$\geq 16\text{ dB}$	45-FH (MHz)
4	Nominal Gain	28dB (main output)	for branch output
5	Distortion Specifications	C/CTB $\geq 62\text{dB}$	59 PAL signal sources
		C/CSO $\geq 61\text{dB}$	
6	Branch Output Gain	-10dB	relative to main output
7	Gain Adjustment Range	0~20dB continuous adjustment	factory setting at 0dB
8	Pre-tilt Adjustment	0~40dB continuous adjustment	factory setting at 0dB
9	RF Output Connector	F-type connector (metric/imperial)	
10	Power Supply Voltage	~60V or ~220V	



Dingshengwei Electronics Co., Ltd.

Physical Parameters

Size: 227mmL × 162mmW × 102mmH

Weight: Maximum 1.4kg

Usage Environment

Usage Conditions: Temperature: -25°C——+55°C

Humidity: 40%——70%

Storage Conditions: Temperature: -40°C——+70°C

Humidity: 40%——95%