



HIGH SPEED DIGITAL ATTENUATOR

Specification may change without notification 8/20/2011. RoHS compliant available on request only.



Features

- Solid-state and hybrid integrated circuits
- Excellent VSWR and flatness of attenuation curve
- 63dB dynamic range of attenuation
- Hermetic with detachable RF connectors
- Good temperature stability at wide frequency range

0.5-18GHz

Model	Freq. Range (GHz)	Bits	Insertion Loss (dB Max)	Step Size (dB)	Attenuation Range (dB)	Attenuation Accuracy (dB)	IP3 (dBm) Typ.	VSWR (Max)	Switching Time	Case
HSDA-0520-2	0.5-2	2	2	10	30	±0.7	±0.7	2	60	HS01
HSDA-0520-3	0.5-2	3	2	10	30	±0.4	±0.7	2	50	HS02
HSDA-0520-4	0.5-2	4	3	3	45	±1	±1	2	60	HS03
HSDA-0520-6	0.5-2	6	4	1	63	±1	±1	2	60	HS04
HSDA-2060-2	2-6	2	2	10	30	±0.7	±0.7	2	50	HS01
HSDA-2060-4	2-6	4	4	3	45	±1	±1	2	60	HS03
HSDA-2060-6	2-6	6	5	1	63	±1.5	±1.5	2	60	HS04
HSDA-20180-3	2-18	3	5	10	30	±1.5	±1.5	2	50	HS02
HSDA-60180-1	6-18	1	4	40	40	±1.5	±1.5	2	60	HS01
HSDA-60180-2	6-18	2	5	10	30	±1.5	±1.5	2	60	HS01
HSDA-60180-4	6-18	4	7	3	45	±1.5	±1.5	2	60	HS03
HSDA-60180-5	6-18	5	8	1	31	±1.5	±1.5	2	60	HS05
HSDA-60180-6	6-18	6	10	1	63	±2	±2	2	60	HS04

Working conditions			
Power supply	5V ± 5%, 50-200mA -5 ± V%, 50-200mA	Logic Function	TTL=0 bypass TTL=1 In-Line attenuation
Connector	SMA-K	Temperature	-55°C +85°C
Switching time	50%TTL-90%		

Outline Drawings

