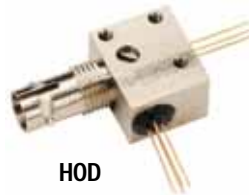


Fiber Optic Products

Fiber Optic Modules



Product Series	GFD	HFX	HFD
Package/Connector Type	component, SMA, ST	POF DIP	component, SMA, ST, POF DIP
Frequency	660 nm	660 nm	660 nm, 850 nm, 1300 nm
Response Time	6 ns typ.	50 ns typ.	3.5 ns typ.
Bandwidth	—	7 MHz typ. (digital)	—
Sensitivity	-20 dBm min.	—	0.55 A/W typ.
Interface	digital	digital	analog, digital
Optical Budget	—	—	—



Product Series	HFE	HOD
Package/Connector Type	component, SMA, ST, POF DIP	SMA, ST, SC
Frequency	660 nm, 850 nm, 1300 nm	850 nm, 1300 nm
Response Time	—	3.5 ns typ.
Bandwidth	up to 1.25 GHz	up to 1.25 GHz
Sensitivity	—	0.55 A/W typ.
Interface	analog, digital	analog, digital
Optical Budget	—	≤40 dB

Position & Speed Sensors

Potentiometers, Industrial Cermet & Wirewound Elements



Product Series	309/409	43/RA20	58/RA30
Description	309: compact, modular housing 409: sealed for board washing	wirewound element & nickel-plated brass shafts; RA20 meets MIL-R-19	rugged construction, wirewound element; RA30 meets MIL-R-19
Rotational Life	25k cycles	10k cycles	25k cycles
Element Type	cermet	wirewound	wirewound
Power Rating	1 W	2 W	4 W
Terminal Type	PC	solder lug	solder lug
Resistance Range	100 Ω to 5 M Ω	43: 10 Ω to 50 k Ω RA20: 50 Ω to 15 k Ω	58: 50 Ω to 50 k Ω RA30: 25 Ω to 25 k Ω
Bushing Type	standard	standard, locking	standard, locking
Potentiometer Type	industrial	—	—
Electrical Taper	linear	—	—

Industrial Conductive Plastic Devices



Product Series	308/408	380/53/RV4	381	392/RV6
Description	308: compact, modular housing 408: sealed for board washing	superior dynamic noise & long rotational life; meets MIL-PRF-94 where applicable	metal case & nickel-plated brass shaft & bushings	designed for wave soldering to PC boards; meets MIL-PRF-94 where applicable
Rotational Life	50k cycles	100k cycles, 25k cycles	25k cycles	50k cycles
Element Type	conductive plastic	conductive plastic	conductive plastic	conductive plastic
Power Rating	0.5 W	2 W	1 W	0.5 W
Terminal Type	PC, solder hook	solder lug	solder lug	PC
Resistance Range	100 Ω to 1 M Ω , 500 Ω to 10 k Ω	100 Ω to 5 M Ω , 50 Ω to 5 M Ω	100 Ω to 5 M Ω	100 Ω to 5 M Ω
Bushing Type	standard, locking	standard, locking	standard, locking	standard
Potentiometer Type	industrial	industrial	industrial	industrial
Electrical Taper	CW audio, linear	CW audio, linear	CW audio, linear	linear