



***Brief Guide To
Fiber Optic Data
Of
Ethernet Direct Products***

Model	Fiber type (um)	Connector	Wavelength (um)	TX Power (min)	TX Power (Max)	Rx Power (Min)	Rx Power (Max)	Link Budget (dbm)	Distance (km)
HME-621	Multi-mode 50~62.5/125	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km
HME-623	Single-mode 8~10/125	SC	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	30km
HME-621E	Multi-mode 50~62.5/125	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km
HME-623E	Single-mode 8~10/125	SC	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	30km
HWE-411	Multi-mode 50~62.5/125	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km
HWE-413	Single-mode 8~10/125	SC	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	30km
HWE-411E	Multi-mode 50~62.5/125	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km
HWE-413E	Single-mode 8~10/125	SC	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	30km
HWE-621	Multi-mode 50~62.5/125	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km
HWE-623	Single-mode 8~10/125	SC	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	30km
HWE-621E	Multi-mode 50~62.5/125	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km
HWE-623E	Single-mode 8~10/125	SC	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	30km
HUE-411	Multi-mode 50~62.5/125	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km
HUE-413	Single-mode 8~10/125	SC	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	30km
HUE-411E	Multi-mode 50~62.5/125	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km
HUE-413E	Single-mode 8~10/125	SC	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	30km
HME-821	Multi-mode 50~62.5/125	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km
HME-823	Single-mode 8~10/125	SC	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	30km
HME-825	Multi-mode 50~62.5/125	SC	850nm	-9.5dBm	-4dBm	-18dBm	-4dBm	9dBm	500m
HME-826	Single-mode 8~10/125	SC	1310nm	-9.5dBm	-3dBm	-20dBm	-3dBm	11dBm	10km
CUE-111	Single-mode 8~10/125	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km
CUE-411	Single-mode 8~10/125	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km

Model	Fiber type (um)	Connector	Wavelength (um)	TX Power (min)	TX Power (Max)	Rx Power (Min)	Rx Power (Max)	Link Budget (dbm)	Distance (km)
RUE-111	Multi-mode 50~62.5/125	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km
RUE-112	Multi-mode 50~62.5/125	ST	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km
RUE-113	Single-mode 8~10/125	SC	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	30km
RUE-114	Single-mode 8~10/125	ST	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	30km
RUE-111E	Multi-mode 50~62.5/125	SC	1310nm	-19dBm	-14dBm	-31dBm	-14dBm	12dBm	2km
RUE-113E	Single-mode 8~10/125	SC	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	30km
RUS-135 (SC)	Multi-mode 50~62.5/125	SC	1308nm	-20dBm	-14dBm	-31dBm	-14dBm	11dBm	2km
RUS-135 (ST)	Multi-mode 50~62.5/125	SC	1308nm	-20dBm	-14dBm	-31dBm	-14dBm	11dBm	2km

Special Specifications
Produced to order products

Fiber	Fiber type (um)	Connector	Wavelength (um)	TX Power (min)	TX Power (Max)	Rx Power (Min)	Rx Power (Max)	Link Budget (dbm)	Distance (km)
Multi-mode	Multi-mode 50~125	SC	1310nm	-20dBm	-14dBm	-34dBm	-14dBm	8dBm	5km
Single mode	Single-mode 8~10/125	SC	1310nm	-10dBm	-0dBm	-35dBm	-0dBm	25dBm	40km
Single mode	Single-mode 8~10/125	SC	1310nm	-5dBm	-0dBm	-35dBm	-0dBm	30dBm	60km
Single mode	Single-mode 8~10/125	SC	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	30km
SM Single Fiber	WDM 9/125	SC Simplex	1310nm 1550nm	-9dBm	-3dBm	-31dBm	-3dBm	22dBm	20km
SM Single Fiber	WDM 9/125	SC Simplex	1550nm 1310nm	-9dBm	-3dBm	-31dBm	-3dBm	22dBm	20km
SM Single Fiber	WDM 9/125	SC Simplex	1310nm 1550nm	-8dBm	-0dBm	-34dBm	-8dBm	26dBm	40km
SM Single Fiber	WDM 9/125	SC Simplex	1550nm 1310nm	-8dBm	-0dBm	-34dBm	-8dBm	26dBm	40km
SM Single Fiber	WDM 9/125	SC Simplex	1310nm 1550nm	-5dBm	-0dBm	-34dBm	-5dBm	29dBm	60km
SM Single Fiber	WDM 9/125	SC Simplex	1550nm 1310nm	-5dBm	-0dBm	-34dBm	-5dBm	29dBm	60km

Model	Fiber type (um)	Connector	Wavelength (um)	TX Power (min)	TX Power (Max)	Rx Power (Min)	Rx Power (Max)	Link Budget (dbm)	Distance (km)
SFP-SX-LC	Multi-mode 50/125	Duplex LC	850nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	5 km
SFP-SX-LC-E	Multi-mode 50~125	Duplex LC	850nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	5 km
SFP-LX-LC-10	Single -mode 9/125	Duplex LC	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	10 km
SFP-LX-LC-10E	Single -mode 9/125	Duplex LC	1310nm	-15dBm	-8dBm	-34dBm	-8dBm	19dBm	10 km
SFP-LX-LC-40	Single -mode 9/125	Duplex LC	1310nm	-4dBm	-1dBm	-24dBm	-1dBm	20dBm	40 km
SFP-LX-LC-80	Single -mode 9/125	Duplex LC	1550nm	0dBm	5dBm	-24dBm	5dBm	24dBm	80 km