

141.2.6 PMD naming

Nx25G-EPON PMD naming conforms to the following convention, with individual elements shown in Table 141–6:

r1/r2GBASE-PQw1w2c-db

Table 141–6—PMD naming elements

Parameter	Explanation	Values
r1	PMD downstream rate class (in Gb/s)	25, 50
r2 ^a	PMD upstream rate class (in Gb/s)	10, 25, 50
G	PMDs operate at Gigabit rates	G
BASE	PMDs use a baseband signal	BASE
P	PMDs use a PON P2MP protocol	P
Q	PMDs use the 256B/257B line code	Q
w1	number of wavelengths the PMD supports in the downstream direction	1, 2
w2	number of wavelengths the PMD supports in the upstream direction	1, 2
c	PMD coexists with GPON (G) or 10G-EPON (X)	G, X
d	PMD direction class	D, U
b	PMD power budget class	2, 3

^aIf r1 is equal to r2 (i.e., symmetric-data rate PMDs), r2 is omitted